APPENDIX A - GLOSSARY

3-D	Three dimensional
A&T	Acquisition and Technology
AAAV	Advanced Amphibious Assault Vehicle
ACAT	Acquisition Category
ACETEF	Air Combat Environment Test and Evaluation Facility
ADCS	Automated Document Conversion System
ADPA	American Defense Preparedness Association
ADS	Advanced Distributed Simulation
AEDC	Arnold Engineering Development Center (USAF RD&E Center)
AFATDS	Advanced Field Artillery Tactical Data System
AFB	Air Force Base
AFFTC	Air Force Flight Test Center
AHPCRC	Army High Performance Computing Research Center
ALSP	Aggregate Level Simulation Protocol
AM3	Affordable Multi-Missile Manufacturing
AMC	Army Materiel Command
AMRAAM	Advanced Medium Range Air-to-Air Missile
AMSAA	Army Materiel Systems Analysis Activity
AMSO	Army Modeling and Simulation Office
ANSI	American National Standards Institute
ARC	Automotive Research Center
ARL	Army Research Lab
ASHPC	Advanced Simulation and High Performance Computing
ASME	American Society of Mechanical Engineers
ASN	Assistant Secretary of the Navy
ASNE	American Society of Naval Engineers
ASW	Anti-Submarine Warfare
ATFMS	Acquisition Task Force on Modeling and Simulation
B	Billion
BFV	Bradley Fighting Vehicle
BMP	Best Manufacturing Practices
C2	Command and Control
C3I	Command, Control, Communications and Intelligence
C4	Command, Control, Communications and Computers
CAD	Computer-Aided Design

CAE	Computer-Aided Engineering
CAIV	Cost as an Independent Variable
CALS	Computer Aided Acquisition and Logistics Support
CAM	Computer-Aided Manufacturing
CASE	Computer Aided Software Engineering
CATIA	Computer Aided Three-Dimensional Interactive Application
CATT	Combined Arms Tactical Trainer
CCTT	Close Combat Tactical Trainer
CE	Concurrent Engineering
CFD	Computational Fluid Dynamics
CIM	Computer Integrated Manufacturing
CinC	Commander in Chief
CITIS	Contractor Integrated Technical Information Service
CMIS	Configuration Management Information System
COE	Center of Excellence
CORBA	Common Object Request Broker Architecture
COTS	Commercial Off-the-Shelf
CRDA	Cooperative Research and Development Agreement
DA	Department of the Army
DARPA	Defense Advance Research Projects Agency
DD, MSEE	Deputy Director, Models, Simulations, and Software Evaluation
DDR&E	Director, Defense Research and Engineering
DEMVAL	Demonstration and Validation (phase)
DICE	DARPA Initiative for Concurrent Engineering
DIS	Distributed Interactive Simulation
DISA	Defense Information Systems Agency
DMSO	Defense Modeling and Simulation Office
DoC	Department of Commerce
DoE	Department of Energy
DoD	Department of Defense
DoN	Department of the Navy
DOT&E	Director, Operational Test and Evaluation
DPA	Digital Pre-Assembly
DSB	Defense Science Board
DSI	Defense Simulation Internet
DSMC	Defense Systems Management College
DT&E	Developmental Test and Evaluation
DTSE&E	Director, Test, Systems Engineering, and Evaluation
EB	Electronic Battlefield
ECP	Engineering Change Proposal
EDS	Engineering Development Simulator

EMD	Engineering and Manufacturing Development
EOA	Early Operational Assessment
ETMO	Education, Training, and Military Operations
EW	Electronic Warfare
FDTE	Force Development Test and Evaluation
FCIM	Flexible Computer Integrated Manufacturing (Army program)
FIS	Firing Impulse Simulator (Army asset, APG, MD)
FY	Fiscal Year
GM	General Motors
GOTS	Government Off-the-Shelf
GPS	Global Positioning System
GWEF	Guided Weapons Evaluation Facility (facility at Eglin AFB)
HLA	High Level Architecture
HMMWV	High Mobility Multipurpose Wheeled Vehicle
HPCC	High Performance Computing and Communications (program)
HQ	Headquarters
HTI	Horizontal Technology Integration
HWIL	Hardware-in-the-Loop
IDA	Institute for Defense Analysis
IEEE	Institute of Electronic and Electrical Engineers
IGES	Initial Graphics Exchange Specification
IOC	Initial Operational Capability
IPL	Integrated Priority List
IPPD	Integrated Product and Process Development
IPT	Integrated Product Team
IR	Infrared
IR&D	Independent Research and Development
ISO	International Standards Organization
IT	Information Technologies
IT&E	Integrated Test and Evaluation
I/UCRC	Industry/University Cooperative Research Center
JADS	Joint Advanced Distributed Simulation
JAST	Joint Advanced Strike Technology
JCALS	Joint Computer-Aided Acquisition and Logistics Support
JEDMICS	Joint Engineering Data Management Information Control System
JITC	Joint Interoperability Test Center
JMASS	Joint Modeling and Simulation System
JPO	Joint Program Office

JSF	Joint Strike Fighter
JSIMS	Joint Simulation System
JSOW	Joint Stand-Off Weapon
JSTARS	Joint Surveillance Target Attack Radar System
JSTEB	Joint Synthetic T&E Battlespace
KEP	Kinetic Energy Penetrator
LCC	Life Cycle Cost
LCT	Longbow Crew Trainer
LPD-17	Amphibious Transport Ship
M	Million
M&S	Modeling and Simulation
MADE	Manufacturing and Design Engineering (DARPA program)
ManTech	Manufacturing Science and Technology
MAVWEST	Multiplex Armaments, Visionics, Weapons and Electrical Systems Trainer
MEP	Mission Equipment Package
MICOM	Missile Command (Army)
MLRS	Multiple Launch Rocket System
MOE	Measure of Effectiveness
MOP	Measure of Performance
MOO	Measure of Outcome
MOU	Memorandum of Understanding
MS&A	Modeling, Simulation and Analysis (USAF program)
MSBTF	Modeling and Simulation Benefits Task Force
MSRR	Modeling and Simulation Resource Repository
MTIAC	Manufacturing Technology Information Analysis Center
MTS	Moving Target Simulator (TECOM at APG)
NAC	National Automotive Center
NASA	National Aeronautics and Space Administration
NAVSEA	Naval Sea System Command
NAWCAD	Naval Air Warfare Center Aircraft Division
NAWCWPNS	Naval Air Warfare Center Weapons Division
NBC	Nuclear, Biological, and Chemical
NC	Numerical Control
NCSA	National Center for Supercomputing Applications
NIDDESC	Navy/Industry Digital Data Exchange Standards Committee
NII	National Information Infrastructure
NIST	National Institute for Standards and Technology
NLOS	Non Line of Sight
NSF	National Science Foundation

NSS	Naval Simulation System
NSSN	New Attack Submarine (also NAS) (Navy Program)
O&S	Operations and Support
OASA	Office of the Assistant Secretary of the Army
OOT	Object Oriented Technologies
OOTW	Operations Other Than War
ORD	Operational Requirements Document
OSD	Office of the Secretary of Defense
OT	Operational Test
OTA	Operational Test Agency
OT&E	Operational Test and Evaluation
PDES	Product Data Model Using STEP
PDSS	Product Definition Standard System
PDU	Protocol Data Unit
PEO	Program Executive Officer
P&L	Production and Logistics
PLA	Patent Licensing Agreement
PNGV	Partnership for the Next Generation Vehicle
PM	Program Manager
PO	Program Office
POC	Point of Contact
PPF	Platform Proto-Federation
PRIMES	Preflight Integration of Munitions and Electronic Systems
R&D	Research and Development
RAM	Random Access Memory
RAM	Reliability, Availability, and Maintainability
RAMP	Rapid Acquisition of Manufactured Parts (Navy program)
RASSP	Rapid Prototyping of Application Specific Signal Processors
RCS	Radar Cross Section
RDA	Research, Development and Acquisition
RDC	Research and Development Center
RD&E	Research, Development and Engineering
RDEC	Research, Development and Engineering Center
RDT&E	Research, Development, Test and Engineering
RF	Radio Frequency
RFP	Request for Proposal
ROI	Return on Investment
RTTC	Redstone Technical Test Center (Army)
SAIC	Science Applications International Corporation

SBA	Simulation Based Acquisition
SBD	Simulation Based Design
SC-21	Surface Combatant - 21st Century (Navy Program)
SDRC	Structural Dynamics Research Corporation
SEP	Simulation Endorsement Process
SIIRCM	Suite of Integrated Infra-Red Countermeasures
SIL	System Integration Laboratory
SIMCORE	Simulation Common Object Repository Environment
SIMNET	Simulation Network
SOW	Statement of Work
SPM	Smart Product Model
SSA	Software Support Activity
SSP	Simulation Support Plan
STAF	Simulation Test Acceptance Facility (at RTTC)
STEP	International Standard for the Exchange of Product Data
STRICOM	Simulation, Training and Integration Command
SWIL	Software in the Loop
T&E	Test and Evaluation
TACOM	Tank Automotive Command (Army)
TACTICS	Tri-Service Advanced Countermeasures and Threats Integrated Combat Simulation
TAMIP	Target Acquisition Model Improvement Program
TARDEC	Tank Automotive Research, Development and Engineering Center
TECOM	Test and Evaluation Command (Army)
TEMA	Test and Evaluation Management Activity (Army)
TEMP	Test and Evaluation Master Plan
TEMS	Test and Evaluation Mission Simulator
TILV	Target Interaction, Lethality and Vulnerability
TMS	Tactical Missile Signature (facility at AEDC)
TRP	Technology Reinvestment Program
TVWS	Tracked Vehicle Work Station
USD	Under Secretary of Defense
VISION	Visual Simulation and Organizational Network (Lockheed Martin program)
VM	Virtual Manufacturing
VNS	Virtual Notional Ship
VP	Virtual Prototyping
VPG	Virtual Proving Ground
VSWE	Virtual Ship Warfare Environment
VTF	Vibration Test Facility (TECOM, APG)
VTI	Vertical Technology Insertion

V&V	Verification and Validation
VV&A	Verification, Validation, and Accreditation
WAAM	Wide Area Anti-Armor Munitions
WBS	Work Breakdown Structure
WIP	Work in Progress
WSSF	Weapon Software Support Facility (Navy, China Lake, CA)
WWW	World Wide Web

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